AMENDMENTS TO THE CLAIMS

- 1. (Previously Presented) A printing sleeve comprising, successively and radially from the interior to the exterior, a radially internal compressible layer, a circumferential stiffening layer, and a printing layer, wherein the circumferential stiffening layer has a thickness not exceeding 0.5 mm and a Young's modulus in the circumferential direction of at least 400 MPa.
- 2. (Previously Presented) The printing sleeve according to Claim 1, including, on a radially internal surface of the compressible layer, a removal facilitating layer.
- 3. (Previously Presented) The sleeve according to Claim 1 wherein the circumferential stiffening layer is on the compressible layer as a reinforcing layer.
- 4. (Previously Presented) The printing sleeve according to Claim 3, wherein the circumferential stiffening layer includes reinforcing elements selected from the group consisting of fibers, wires, a knit, a fabric, and a screen, in a matrix of a thermosetting or a thermoplastic polymer.
- 5. (Previously Presented) The printing sleeve according to Claim 4, wherein the reinforcing elements have a single directional arrangement and are oriented generally circumferentially.
- 6. (Previously Presented) The printing sleeve according to Claim 4, wherein the matrix is 20-80 wt% of the circumferential stiffening layer, and the reinforcing elements are 80-20 wt% of the circumferential stiffening layer.
- 7. (Previously Presented) The printing sleeve according to Claim 4, wherein the reinforcing elements are selected from the group consisting of carbon, glass, high modulus polyester, and aramide.

- 8. (Previously Presented) The printing sleeve according to Claim 3, wherein the circumferential stiffening layer has a thickness larger than 0.2 mm.
- 9. (Previously Presented) The printing sleeve according to Claim 3, wherein the circumferential stiffening layer has a Young's modulus in the circumferential direction not exceeding 100,000 MPa.
- 10. (Previously Presented) The printing sleeve according to Claim 4, wherein the matrix of the circumferential stiffening layer has a Young's modulus between 50 and 1,000 MPa.
- 11. (Previously Presented) The printing sleeve according to Claim 4, wherein the circumferential stiffening layer has an elongation at breakage in a circumferential direction of the circumferential stiffening layer greater than 1.2%.
- 12. (Previously Presented) The printing sleeve according to Claim 4, wherein the circumferential stiffening layer has a Young's modulus in a radial direction between 50 and 500 MPa.
- 13. (Currently Amended) The printing sleeve according to Claim 4, wherein the circumferential stiffening layer has a Young's modulus greater than 100 MPa in a direction parallel to an axis of the reinforcing layer-a cylinder of a printing machine greater than 100 MPa.
- 14. (Previously Presented) The printing sleeve according to Claim 2, wherein the compressible layer is an elastomer base containing microspheres and at least one expansion agent.
- 15. (Previously Presented) The printing sleeve according to Claim 14, wherein the compressible layer includes one uniform layer or several superposed under-layers of different compressibilities.

- 16. (Previously Presented) The printing sleeve according to Claim 14, wherein the compressible layer is produced by one of coating, spraying, and spray gunning of the elastomer base dissolved in a solvent.
- 17. (Previously Presented) The printing sleeve according to Claim 14, wherein the elastomer base is an endless layer of a sheet rolled on itself or in a helicoidal strip.
- 18. (Previously Presented) The printing sleeve according to Claim 14, wherein the compressible layer is molded and calibrated in thickness on a removal facilitating film.
- 19. (Previously Presented) The printing sleeve according to Claim 14, wherein the compressible layer is molded and rectified after expansion.
- 20. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer is one of an elastomeric and a plastic polymer.
- 21. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer is produced during the manufacturing of the sleeve by applying one of a gel coat and a paint on a peripheral surface after a removal facilitating agent has been applied.
- 22. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer is a heat-shrinkable tube.
- 23. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer is an electrostatically or thermally projected layer of a powder.
- 24. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer is sufficiently smooth to promote slipping of the sleeve off and on a support sleeve.

- 25. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer has a modulus of 5 to 800 MPa, a thickness of 0.02 to 0.1 mm, and a surface with an Ra factor less than 0.5 microns.
- 26. (Previously Presented) The printing sleeve according to Claim 2, wherein the removal facilitating layer has a friction coefficient on steel or on composite resin between 0.2 and 0.5.
- 27. (Previously Presented) The printing sleeve according to Claim 1, wherein the printing layer has a thickness less than 0.5 mm.
- 28. (Previously Presented) A printing sleeve comprising a printing layer, a compressible layer, and circumferential reinforcing composite material having a total thickness between 0.2-0.5 mm and a Young's modulus in the circumferential direction between 400-100,000 MPa, wherein the reinforcing composite material is located between the compressible layer and the printing layer.